

SEQUENCE LISTING

<110> Unger, Evan C.

<120> Charged Lipids and Uses For The Same

<130> UNGR1592

<140> 09/540,448

<141> 2000-03-31

<150> 08/925,353

<151> 1997-09-08

<160> 37

<170> PatentIn Ver. 2.1

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<223> X is azetidine

1004501-01502

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<222> (9)

<223> X is azetidine

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<400> 4

Arg Gly Asp Ser

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<400> 5

Gly Arg Gly Asp Ser Pro

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 Gly Pro Arg Pro
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 Asn Lys Leu Ile Val Arg Arg Gly Gln Ser Phe Tyr Val Gln Ile Asp
 1 5 10 15
 Phe Ser Arg Pro Tyr Asp Pro Arg Arg Asp Leu Phe Arg Val Glu Tyr
 20 25 30
 Val Ile Gly Arg Tyr Pro Gln Glu Asn Lys Gly Thr Tyr Ile Pro Val
 35 40 45
 Pro Ile Val Ser Glu Leu Gln Ser Gly Lys Trp Gly Ala Lys Ile Val
 50 55 60
 Met Arg Glu Asp Arg Ser Val Arg Leu Ser Ile Gln Ser Ser Pro Lys
 65 70 75 80
 Cys Ile Val Gly Lys Phe Arg Met Tyr Val Ala Val Trp Thr Pro Tyr
 85 90 95
 Gly Val Leu Arg Thr Ser Arg Asn Pro Glu Thr Asp Thr Tyr Ile Leu
 100 105 110
 Phe Asn Pro Trp Cys Glu Asp Asp Ala Val Tyr Leu Asp Asn Glu Lys
 115 120 125

Glu Arg Glu Glu Tyr Val Leu Asn Asp Ile Gly Val Ile Phe Tyr Gly
 130 135 140

Glu Val Asn Asp Ile Lys Thr Arg Ser Trp Ser Tyr Gly Gln Phe
 145 150 155

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 <222> (9)
 <223> X is unknown

<400> 8
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 1 5 10 15

Phe Ser Arg Pro Tyr Asp Pro Arg Arg Asp
 20 25

<210> 9
 <211> 41
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<400> 9
 Asp Asp Ala Val Tyr Leu Asp Asn Glu Lys Glu Arg Glu Glu Tyr Val
 1 5 10 15

Leu Asn Asp Ile Gly Val Ile Phe Tyr Gly Glu Val Asn Asp Ile Lys
 20 25 30

Thr Arg Ser Trp Ser Tyr Gly Gln Phe
 35 40

<210> 10

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<211> 9
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<223> Description of Artificial Sequence: Novel Sequence

<400> 10

Ala Arg Arg Ser Ser Pro Ser Tyr Tyr

1 5

<210> 11

<211> 10

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Gly Ala Gly Pro Tyr Tyr Ala Met Asp Tyr

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<210> 12

<211> 19

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<400> 12

Arg Ser Pro Ser Tyr Tyr Arg Tyr Asp Gly Ala Gly Pro Tyr Tyr Ala

1 5 10 15

Met Asp Tyr

<210> 13

<211> 21

<212> PRT

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<400> 13

Ala Arg Arg Ser Pro Ser Tyr Tyr Arg Tyr Asp Gly Ala Gly Pro Tyr
1 5 10 15

Tyr Ala Met Asp Tyr
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<210> 14

<211> 69

<212> PRT

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<222> (40)..(41)

<223> X is any amino acid

<400> 14

Gly Glu Glu Cys Asp Cys Gly Ser Pro Glu Asn Pro Cys Cys Asp Ala
1 5 10 15

Ala Thr Cys Lys Leu Arg Pro Gly Ala Gln Cys Ala Asp Gly Leu Cys
20 25 30

Cys Ala Gly Cys Arg Phe Lys Xaa Xaa Arg Thr Ile Cys Arg Arg Ala
35 40 45

Arg Gly Asp Asn Pro Asp Asp Arg Cys Thr Gly Gln Ser Ala Asp Cys
50 55 60

Pro Arg Asn Gly Tyr
65

<210> 15

<211> 73

<212> PRT

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<400> 15

Glu Ala Gly Glu Asp Cys Asp Cys Gly Ser Pro Ala Asn Pro Cys Cys
 1 5 10 15

Asp Ala Ala Thr Cys Lys Leu Leu Pro Gly Ala Gln Cys Gly Glu Gly
 20 25 30

Leu Cys Cys Asp Gln Cys Ser Phe Met Lys Lys Gly Thr Ile Cys Arg
 35 40 45

Arg Ala Arg Gly Asp Asp Leu Asp Asp Tyr Cys Asp Gly Ile Ser Ala
 50 55 60

Gly Cys Pro Arg Asn Pro Leu His Ala
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<210> 16

<211> 68

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<400> 16

Glu Ala Gly Glu Glu Cys Asp Cys Gly Thr Pro Glu Asn Pro Cys Cys
 1 5 10 15

Asp Ala Ala Thr Cys Lys Leu Arg Pro Gly Ala Gln Cys Ala Glu Gly
 20 25 30

Leu Cys Cys Asp Gln Cys Arg Phe Lys Gly Ala Gly Lys Ile Cys Arg
 35 40 45

Arg Ala Arg Gly Asp Asn Pro Asp Asp Cys Thr Gly Gln Ser Ala Asp
 50 55 60

Cys Pro Arg Phe
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<210> 17

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<220>
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Gly Gly Glu Cys Asp Cys Gly Ser Pro Glu Asn Pro Cys Cys Asp Ala
1 5 10 15

Ala Thr Cys Lys Leu Arg Pro Gly Ala Gln Cys Ala Asp Gly Leu Cys
20 25 30

Cys Asp Gln Cys Arg Phe Lys Xaa Xaa Arg Thr Ile Cys Arg Ile Ala
35 40 45

Arg Gly Asp Phe Pro Asp Asp Arg Cys Thr Gly Leu Ser Ala Asp Cys
50 55 60

Pro Arg Xaa Asn Asp Leu
65 70

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<400> 18
Arg Glu Tyr Val Val Met Trp Lys
1 5

<210> 19
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<223> Description of Artificial Sequence: Novel Sequence

<400> 19

Cys Arg Gly Asp Met Phe Gly Cys

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5

<210> 20

<211> 8

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<400> 20

Cys Arg Gly Asp Met Leu Arg Cys

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<210> 21

<211> 8

<212> PRT

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<400> 21

Cys Arg Gly Asp Phe Leu Asn Cys

1

5

<210> 22

<211> 8

<212> PRT

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<220>

<223> Description of Artificial Sequence: Novel Sequence

<400> 22

Cys Asn Thr Leu Lys Gly Asp Cys

1

5

<210> 23

<211> 8

<212> PRT

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<223> Description of Artificial Sequence: Novel Sequence

<400> 23

Cys Asn Trp Lys Arg Gly Asp Cys

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<210> 24

<211> 5

<212> PRT

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<223> Description of Artificial Sequence: Novel Sequence

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<222> (5)

<223> X is penicillamine

<400> 24

Cys Arg Gly Asp Xaa

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<210> 25

<211> 8

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<400> 25

Leu Ser Pro Phe Pro Phe Asp Leu

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<210> 26

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<400> 27
Leu Ser Ala Phe Pro Phe Asp Leu
1 5

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<400> 28
Leu Ser Pro Phe Pro Phe Asp Ala
1 5

<210> 29
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<400> 29
Ser Pro Phe Pro Phe Asp Leu Leu Leu
1 5

<210> 30
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<400> 30

Gln Leu Ser Pro Ser Pro Asp Leu

1

5

<210> 31

<211> 8

<212> PRT

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<223> Description of Artificial Sequence: Novel Sequence

<400> 31

Ser Ile Ile Asn Phe Glu Lys Leu

1

5

<210> 32

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Novel Sequence

<400> 32

Leu Ser Pro Tyr Pro Phe Asp Leu

1

5

<210> 33

<211> 8

<212> PRT

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<220>

<223> Description of Artificial Sequence: Novel Sequence

<400> 33

Ala Ser Pro Phe Pro Phe Asp Leu

1

5

<210> 34
<211> 11
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<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 34
Ser Ser Phe Gly Ala Phe Gly Ile Phe Pro Lys
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<210> 35
<211> 16
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<400> 35
Ala Asn Glu Arg Ala Asp Leu Ile Ala Tyr Leu Lys Gln Ala Thr Lys
1 5 10 15

<210> 36
<211> 17
<212> PRT
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<400> 36
Ala Asn Glu Arg Ala Asp Leu Ile Ala Tyr Leu Lys Gln Ala Thr Ala
1 5 10 15

Lys

<210> 37
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<400> 37

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